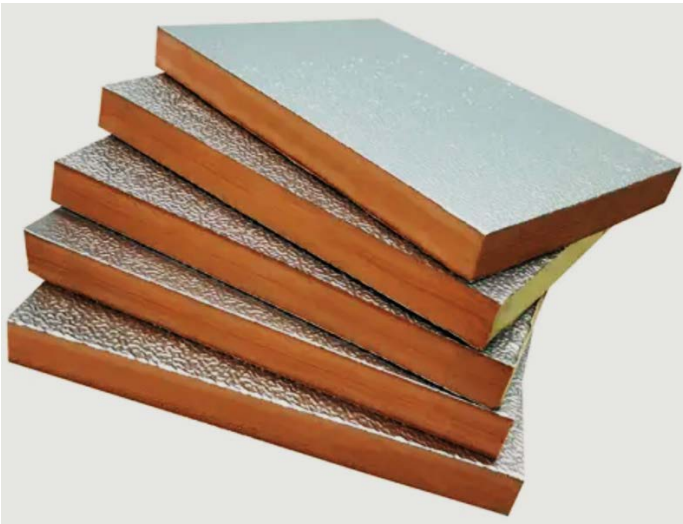


Wedge India

Rigid PIR & PU Foam Insulation

Boards | Pipe Section | Sprays



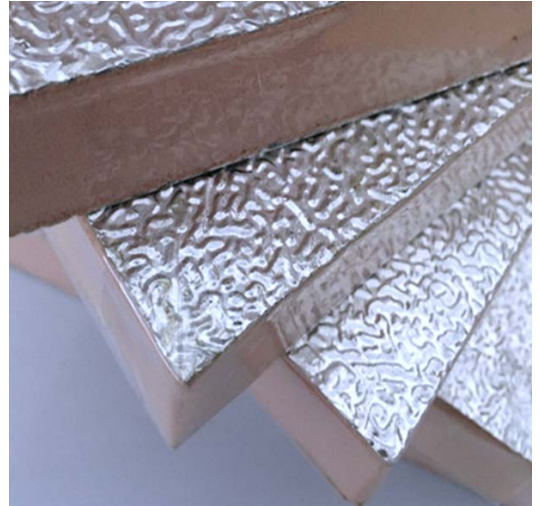
W-PIR50 | Rigid Polyisocyanurate PIR Insulation Boards

WPIR50 is rigid good quality high insulation PIR-Polyisocyanurate Insulation Boards with Aluminium foil covered. Its is used for Insulation of Roof and Wall for Chilled Water Tank, Cold Storage Wall and Roof.

It is also used as Pre-insulated Duct Panel and can offers a high performance light weight and good ductwork system that requires only a few single fix and installation process. It is widely used in the ventilation systems of central air conditioning units in hospital, hotel, market, mall, airport, and so on.

We can supply in various sizes and thicknesses and coverings:

Size : 1000 x 500 mm
Thickness : 10 to 100 mm



Technical Data

Technical Properties	Unit	Technical Data	Test Method
Density (at room temperature)	kg/m ³	≥50	ASTM D1622, GB6343
Thermal Conductivity (Ambient Temp.)	W/ (m.K)	≤0.022	ASTM C177, GB/T10294
Water Vapor Permeability	ng/(pa.m.s)	≤5.0	ASTM E96,GB/T17146
Water Absorption	%	≤5	ASTM D2842,GB/T8810
Closed Cell Conccent	%	>90	ASTM D6226,GB/T10799
Compressive Strength	kpa	≥200	ASTM D1621,GB/T8813
Tensile Strength	kpa	≥320	ASTM D1623,GB/T8812
Oxygen Index		≥30	GB/T2406.2
Reaction to Fire		Class B1	GB 8624
Flame Spread Rate		≤25	ASTM E84
PH value		6.0~11.7	ASTM C871
Coefficient of Linear Thermal Expansion	1/K	≤70×10-6	ASTM D696
Service Temperature	°C	-196~120	

W-PUF50 | Rigid polyurethane PU Foam insulation board

Rigid Polyurethane Foam is a specialized cryogenic insulation material. It is mainly made from polyether polyols and isocyanate added with flame retardant, foaming agent and stabilizing agent, generating into closed-cell foaming body through chemical reaction after mixing and stirring. It has high closed cell content rate and low water absorption, it is applied to cryogenic thermal insulation.

Features & Advantages

- Thermosetting material with high fire-resistance.
- Low thermal conductivity, excellent cold insulation.
- Fluorine-free, environment-friendly, anti-corrosive, anti-mould.
- High mechanical strength, dimensional stability and durable Life.



Applications

It is widely used a in:

Petroleum Industry
 Chemical Industry
 Ethylene industries
 Cold storages
 Refrigeration
 Commercial & Residential Buildings

PUF can be prefabricated into different shape segments in workshop, it also can be spray or foamed on site.

We can supply in various sizes and thicknesses and coverings:

Size : 1000 x 500 mm
 Thickness : 10 to 100 mm

Technical Data Sheet

Technical Properties	Unit	Technical Data
Density (at room temperature)	kg/m ³	≥50
Thermal Conductivity at 25°C	W/(m.K)	≤0.023
Water Absorption	%	≤5
Compressive Strength	kpa	≥200
Tensile Strength	kpa	≥200
Oxygen Index		≥30
Service Temperature	°C	-80 to100





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